

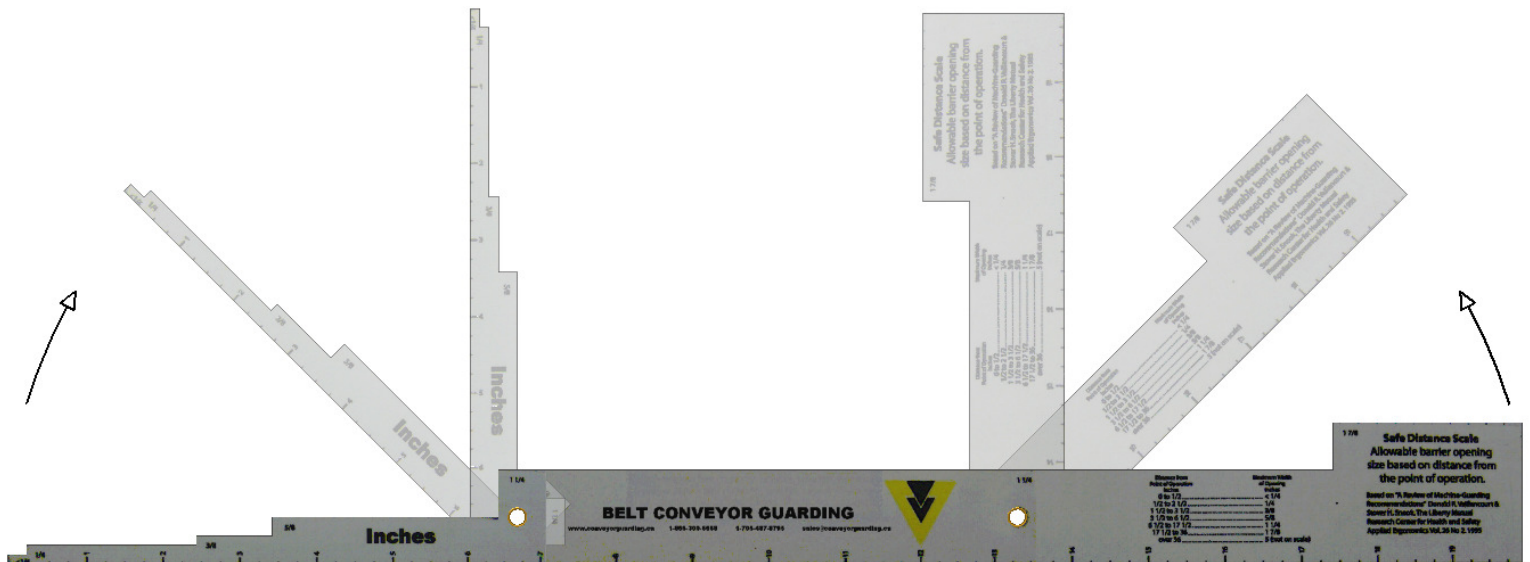
Safety Gauge Information

Barrier guarding is commonly used when safeguarding machinery to ensure that people cannot come into contact with the hazards contained. By law, barrier guarding must prevent anybody from not only being able to reach through to the hazard, but also must prevent them from reaching over, under or around the guarding. This presents a challenge as many types of barrier guarding contain openings as they are usually made of expanded mesh or a similar material. In order to ensure that any openings aren't large enough to allow access to the hazards contained, the guarding must comply with North American standards such as ANSI (American National Standards Institute) and CSA (Canadian Standards Association). These standards are used to determine guard mounting distances based on the maximum opening sizes in the guarding. This ensures that any body part which can fit through the mesh won't be able to contact the machinery inside.

Donald R. Vaillancourt and Stover H. Snook of the Liberty Mutual Research Center for Safety and Health conducted a study comparing data from several anthropometric surveys to the original machine-guarding recommendations from the 1940's to determine their relevance in today's workplaces. Their study, "A Review of Machine-Guarding Recommendations" was published in Applied Ergonomics in 1995 recommending numerous important modifications to guarding standards.

A number of current safety standards implemented drawings and recommendations from Vaillancourt and Snook's study including: ANSI B11-series safety standards for machine tools, ANSI/RIA R15.06 for industrial robots and robot systems, Canadian safety standards CSA Z142 for power presses, CSA Z434 for robots, and CSA Z432 for safeguarding of machinery.

Considering Vaillancourt and Snook drawings have become so widely used in North American Safety Standards for determining guard mounting distances, Belt Conveyor Guarding has produced a Safety Gauge. This Safety Gauge can be used during the design, installation, or inspection of barrier guards in order to ensure that the openings adhere to all appropriate machine guarding safety standards.



STAY AWAY - STAY SAFE



BELT CONVEYOR GUARDING

For your free Safety Gauge contact Belt Conveyor Guarding at 1-866-300-6668 or email at safety@conveyorguarding.com
Check out our website at www.conveyorguarding.com for other conveyor guarding products.